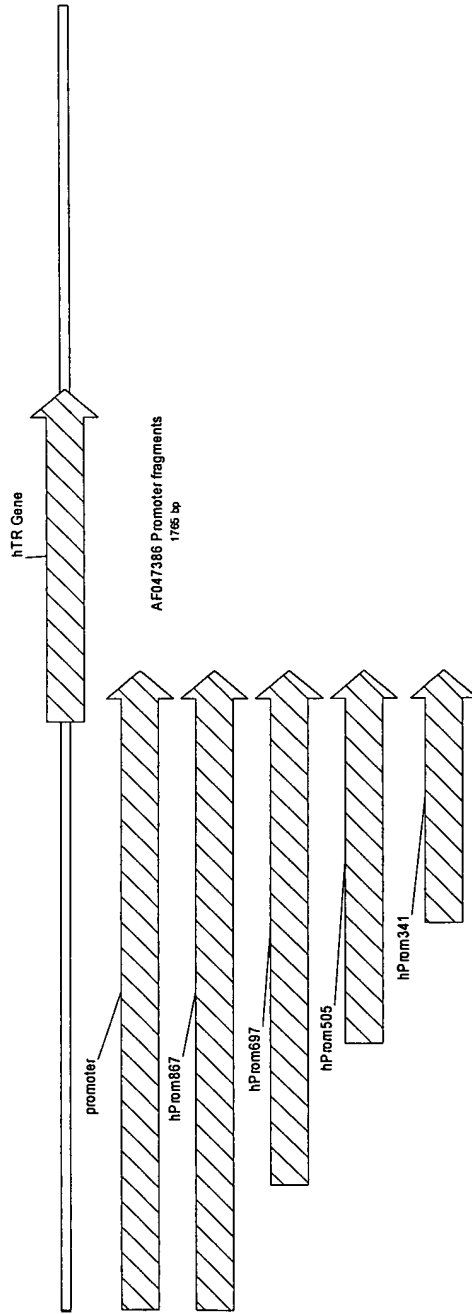




Diagram showing relationship between our genomic sequence and the promoter fragments.



Comparison of our genomic sequence, AF047386 (and our promoter fragments 867, 697 505, 341) with Geron Patent sequence I31750

AF047386	(1)	1	50
hProm867_Patent	(1)	AGCTACTCAGGAGGCTGAGACACGAGAAATCGCTTGAACCCCGGGAGGCAGA	
hProm697_Patent	(1)	AGCTACTCAGGAGGCTGAGACACGAGAAATCGCTTGAACCCCGGGAGGCAGA	
hProm505_Patent	(1)	-----	
hProm341_Patent	(1)	-----	
I31750_Patent	(1)	AGCTACTCAGGAGGCTGAGACACGAGAAATCGCTTGAACCCCGGGAG - CAGA	
Consensus	(1)	AGCTACTCAGGAGGCTGAGACACGAGAAATCGCTTGAACCCCGGGAGGCAGA	
AF047386	(51)	51	100
hProm867_Patent	(51)	GGTTGCAGTGAAGCCGAGATCAAGCCACTAGACTCCATCCAGCCCTGGGGCGA	
hProm697_Patent	(51)	GGTTGCAGTGAAGCCGAGATCAAGCCACTAGACTCCATCCAGCCCTGGGGCGA	
hProm505_Patent	(1)	-----	
hProm341_Patent	(1)	-----	
I31750_Patent	(50)	GGTTGCAGTGAAGCCGAGATCAAGCCACTAGACTCCATCCAGCCCTGGGGCGA	
Consensus	(51)	GGTTGCAGTGAAGCCGAGATCAAGCCACTAGACTCCATCCAGCCCTGGGGCGA	
AF047386	(101)	101	150
hProm867_Patent	(101)	AAGAGCAGAGACTCCGGTCTCAAAAAAATAATCGTTACAATTTATGGTGGG	
hProm697_Patent	(1)	AAGAGCAGAGACTCCGGTCTCAAAAAAATAATCGTTACAATTTATGGTGGG	
hProm505_Patent	(1)	-----	
hProm341_Patent	(1)	-----	
I31750_Patent	(100)	AAGAGCAGAGACTCCGGTCTCAAAAAAATAATCGTTACAATTTATGGTGGG	
Consensus	(101)	AAGAGCAGAGACTCCGGTCTCAAAAAAATAATCGTTACAATTTATGGTGGG	
AF047386	(151)	151	200
hProm867_Patent	(151)	TTACTCCCGCTCTTTTAACTTCATCAAGACACAGCACTACTTTAAAGCAAA	
hProm697_Patent	(151)	TTACTCCCGCTCTTTTAACTTCATCAAGACACAGCACTACTTTAAAGCAAA	
hProm505_Patent	(1)	-----CATCAAGACACAGCACTACTTTAAAGCAAA	
hProm341_Patent	(1)	-----	
I31750_Patent	(150)	TTACTCCCGCTCTTTTAACTTCATCAAGACACAGCACTACTTTAAAGCAAA	
Consensus	(151)	TTACTCCCGCTCTTTTAACTTCATCAAGACACAGCACTACTTTAAAGCAAA	

AF047386	201	(201)	GTCAATGATTGAAAAGCCCTTTCTTTCCCTAAATAAAAAGGAGATTTCAGTCCCT	250
hProm867_Patent	(201)	(201)	GTCAATGATTGAAAAGCCCTTTCTTTCCCTAAATAAAAAGGAGATTTCAGTCCCT	
hProm697_Patent	(31)	(31)	GTCAATGATTGAAAAGCCCTTTCTTTCCCTAAATAAAAAGGAGATTTCAGTCCCT	
hProm505_Patent	(1)	(1)	-----	
hProm341_Patent	(1)	(1)	-----	
I31750_Patent	(200)	(200)	GTCAATGATTGAAAAGCCCTTTCTTTCCCTAAATAAAAAGGAGATTTCAGTCCCT	
Consensus	(201)	(201)	GTCAATGATTGAAAAGCCCTTTCTTTCCCTAAATAAAAAGGAGATTTCAGTCCCT	
AF047386	251	(251)	TAAAGATTAAATAATGTAGTAGTTACACTTGTGATTAAAGCCATCCCTCTGCTCA	300
hProm867_Patent	(251)	(251)	TAAAGATTAAATAATGTAGTAGTTACACTTGTGATTAAAGCCATCCCTCTGCTCA	
hProm697_Patent	(81)	(81)	TAAAGATTAAATAATGTAGTAGTTACACTTGTGATTAAAGCCATCCCTCTGCTCA	
hProm505_Patent	(1)	(1)	-----	
hProm341_Patent	(1)	(1)	-----	
I31750_Patent	(250)	(250)	TAAAGATTAAATAATGTAGTAGTTACACTTGTGATTAAAGCCATCCCTCTGCTCA	
Consensus	(251)	(251)	TAAAGATTAAATAATGTAGTAGTTACACTTGTGATTAAAGCCATCCCTCTGCTCA	
AF047386	301	(301)	AGGAGAAAGCTGGAGAAAGGCATTCTTAAGGAAAAAAGGGGCAAGGGTTGGAACT	350
hProm867_Patent	(301)	(301)	AGGAGAAAGCTGGAGAAAGGCATTCTTAAGGAAAAAAGGGGCAAGGGTTGGAACT	
hProm697_Patent	(131)	(131)	AGGAGAAAGCTGGAGAAAGGCATTCTTAAGGAAAAAAGGGGCAAGGGTTGGAACT	
hProm505_Patent	(1)	(1)	-----	
hProm341_Patent	(1)	(1)	-----	
I31750_Patent	(300)	(300)	AGGAGAGGCTGGAGAAAGGCATTCTTAAGGA GAAAGGGGCAAGGGTTAGGAACT	
Consensus	(301)	(301)	AGGAGAAAGCTGGAGAAAGGCATTCTTAAGGAAAAAAGGGGCAAGGGTTGGAACT	
AF047386	351	(351)	CGGACGCATCCCACTGAGCCCGAGACAAGATTCTGTGTAGTCAAGTGTGCTGC	400
hProm867_Patent	(351)	(351)	CGGACGCATCCCACTGAGCCCGAGACAAGATTCTGTGTAGTCAAGTGTGCTGC	
hProm697_Patent	(181)	(181)	CGGACGCATCCCACTGAGCCCGAGACAAGATTCTGTGTAGTCAAGTGTGCTGC	
hProm505_Patent	(1)	(1)	-----ACTGAGCCCGAGACAAGATTCTGTGTAGTCAAGTGTGCTGC	
hProm341_Patent	(1)	(1)	-----	
I31750_Patent	(350)	(350)	CGGACGCATCCCACTGAGCCCGAGACAAGATTCTGTGTAGTCAAGTGTGCTGC	
Consensus	(351)	(351)	CGGACGCATCCCACTGAGCCCGAGACAAGATTCTGTGTAGTCAAGTGTGCTGC	

AF047386	(401)	CTGGGAATCTATTTTTCACAAAGTCTCTCCAAAAAATGTGATGATCAAAAAC	451	CTGGGAATCTATTTTTCACAAAGTCTCTCCAAAAAATGTGATGATCAAAAAC	500
hProm867_Patent	(401)	CTGGGAATCTATTTTTCACAAAGTCTCTCCAAAAAATGTGATGATCAAAAAC			
hProm697_Patent	(231)	CTGGGAATCTATTTTTCACAAAGTCTCTCCAAAAAATGTGATGATCAAAAAC			
hProm505_Patent	(39)	CTGGGAATCTATTTTTCACAAAGTCTCTCCAAAAAATGTGATGATCAAAAAC			
hProm341_Patent	(1)	-----			
I31750_Patent	(400)	CTGGGAATCTATTTTTCACAAAGTCTCTCCAAAAAATGTGATGATCAAAAAC			
Consensus	(401)	CTGGGAATCTATTTTTCACAAAGTCTCTCCAAAAAATGTGATGATCAAAAAC			
AF047386	(451)	AGGAATTAGTGTCTGTGTCTTAGGGCCCTAAAAATCTTCCTGTGAAATCCCA	451	AGGAATTAGTGTCTGTGTCTTAGGGCCCTAAAAATCTTCCTGTGAAATCCCA	500
hProm867_Patent	(451)	AGGAATTAGTGTCTGTGTCTTAGGGCCCTAAAAATCTTCCTGTGAAATCCCA			
hProm697_Patent	(281)	AGGAATTAGTGTCTGTGTCTTAGGGCCCTAAAAATCTTCCTGTGAAATCCCA			
hProm505_Patent	(89)	AGGAATTAGTGTCTGTGTCTTAGGGCCCTAAAAATCTTCCTGTGAAATCCCA			
hProm341_Patent	(1)	-----			
I31750_Patent	(450)	AGGAATTAGTGTCTGTGTCTTAGGGCCCTAAAAATCTTCCTGTGAAATCCCA			
Consensus	(451)	AGGAATTAGTGTCTGTGTCTTAGGGCCCTAAAAATCTTCCTGTGAAATCCCA			
AF047386	(501)	TTTTTAAAGGTAGTCGAGGGTGAACCGGC	501	TTTTTAAAGGTAGTCGAGGGTGAACCGGC	550
hProm867_Patent	(501)	TTTTTAAAGGTAGTCGAGGGTGAACCGGC			
hProm697_Patent	(331)	TTTTTAAAGGTAGTCGAGGGTGAACCGGC			
hProm505_Patent	(139)	TTTTTAAAGGTAGTCGAGGGTGAACCGGC			
hProm341_Patent	(1)	-----			
I31750_Patent	(500)	TTTTTAAAGGTAGTCGAGGGTGAACCGGC			
Consensus	(501)	TTTTTAAAGGTAGTCGAGGGTGAACCGGC			
AF047386	(551)	AAGGCCCTCTGATACCTCAAGTTAGTTTACCTTTTAAAGAAAGGTCGGAAG	551	AAGGCCCTCTGATACCTCAAGTTAGTTTACCTTTTAAAGAAAGGTCGGAAG	600
hProm867_Patent	(551)	AAGGCCCTCTGATACCTCAAGTTAGTTTACCTTTTAAAGAAAGGTCGGAAG			
hProm697_Patent	(381)	AAGGCCCTCTGATACCTCAAGTTAGTTTACCTTTTAAAGAAAGGTCGGAAG			
hProm505_Patent	(189)	AAGGCCCTCTGATACCTCAAGTTAGTTTACCTTTTAAAGAAAGGTCGGAAG			
hProm341_Patent	(25)	AAGGCCCTCTGATACCTCAAGTTAGTTTACCTTTTAAAGAAAGGTCGGAAG			
I31750_Patent	(550)	AAGGCCCTCTGATACCTCAAGTTAGTTTACCTTTTAAAGAAAGGTCGGAAG			
Consensus	(551)	AAGGCCCTCTGATACCTCAAGTTAGTTTACCTTTTAAAGAAAGGTCGGAAG			

AF047386	601	TAAAGACGCAAAGCCTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTC	650
hProm867_Patent	(601)	TAAAGACGCAAAGCCTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTC	
hProm697_Patent	(431)	TAAAGACGCAAAGCCTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTC	
hProm505_Patent	(239)	TAAAGACGCAAAGCCTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTC	
hProm341_Patent	(75)	TAAAGACGCAAAGCCTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTC	
I31750_Patent	(600)	TAAAGACGCAAAGCCTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTC	
Consensus	(601)	TAAAGACGCAAAGCCTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTC	
AF047386	651	ATGGCCGGAAATGGAACCTTAAATTTCCCGTTCCCCCACAACGACCCGCCC	700
hProm867_Patent	(651)	ATGGCCGGAAATGGAACCTTAAATTTCCCGTTCCCCCACAACGACCCGCCC	
hProm697_Patent	(481)	ATGGCCGGAAATGGAACCTTAAATTTCCCGTTCCCCCACAACGACCCGCCC	
hProm505_Patent	(289)	ATGGCCGGAAATGGAACCTTAAATTTCCCGTTCCCCCACAACGACCCGCCC	
hProm341_Patent	(125)	ATGGCCGGAAATGGAACCTTAAATTTCCCGTTCCCCCACAACGACCCGCCC	
I31750_Patent	(650)	ATGGCCGGAAATGGAACCTTAAATTTCCCGTTCCCCCACAACGACCCGCCC	
Consensus	(651)	ATGGCCGGAAATGGAACCTTAAATTTCCCGTTCCCCCACAACGACCCGCCC	
AF047386	701	GAGAGAGTGACTCTCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTG	750
hProm867_Patent	(701)	GAGAGAGTGACTCTCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTG	
hProm697_Patent	(531)	GAGAGAGTGACTCTCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTG	
hProm505_Patent	(339)	GAGAGAGTGACTCTCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTG	
hProm341_Patent	(175)	GAGAGAGTGACTCTCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTG	
I31750_Patent	(700)	GAGAGAGTGACTCTCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTG	
Consensus	(701)	GAGAGAGTGACTCTCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTG	
AF047386	751	CGGTCCGGCGCGCTCCCTTTATAAGCCGACTCGCCCGGAGCGCACCCGG	800
hProm867_Patent	(751)	CGGTCCGGCGCGCTCCCTTTATAAGCCGACTCGCCCGGAGCGCACCCGG	
hProm697_Patent	(581)	CGGTCCGGCGCGCTCCCTTTATAAGCCGACTCGCCCGGAGCGCACCCGG	
hProm505_Patent	(389)	CGGTCCGGCGCGCTCCCTTTATAAGCCGACTCGCCCGGAGCGCACCCGG	
hProm341_Patent	(225)	CGGTCCGGCGCGCTCCCTTTATAAGCCGACTCGCCCGGAGCGCACCCGG	
I31750_Patent	(750)	CGGTCCGGCGCGCTCCCTTTATAAGCCGACTCGCCCGGAGCGCACCCGG	
Consensus	(751)	CGGTCCGGCGCGCTCCCTTTATAAGCCGACTCGCCCGGAGCGCACCCGG	

AF047386	801	850
hProm867_Patent	(801)	GTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTTGTCTAAACCC
hProm697_Patent	(801)	GTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTTGTCTAAACCC
hProm505_Patent	(631)	GTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTTGTCTAAACCC
hProm341_Patent	(439)	GTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTTGTCTAAACCC
I31750_Patent	(275)	GTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTTGTCTAAACCC
Consensus	(800)	GTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTTGTCTAAACCC
	(801)	GTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTTGTCTAAACCC
AF047386	851	900
hProm867_Patent	(851)	TAACTGAGAAGGGCGTA GGCGCCGTCCTTTGCTCCCCCGCCGCTGTTT
hProm697_Patent	(851)	TAACTGAGAAGGGCGTA-----
hProm505_Patent	(681)	TAACTGAGAAGGGCGTA-----
hProm341_Patent	(489)	TAACTGAGAAGGGCGTA-----
I31750_Patent	(325)	TAACTGAGAAGGGCGTA-----
Consensus	(850)	TAACTGAGAAGGGCGTA GGCGCCGTCCTTTGCTCCCCCGCCGCTGTTT
	(851)	TAACTGAGAAGGGCGTAGGCGCGTGCTTTTGCTCCCCCGCGCTGTTTT
AF047386	901	950
hProm867_Patent	(901)	TCTCGCTGACTTTTCAGCGGGCGGGAAGCCTCGGCCCTGCCGCCCTTCCAGC
hProm697_Patent	(868)	-----
hProm505_Patent	(698)	-----
hProm341_Patent	(506)	-----
I31750_Patent	(342)	-----
Consensus	(900)	TCTCGCTGACTTTTCAGCGGGCGGGAAGCCTCGGCCCTGCCGCCCTTCCAGC
	(901)	TCTCGCTGACTTTTCAGCGGGCGGGAAGCCTCGGCCCTGCCGCCCTTCCAGC
AF047386	951	1000
hProm867_Patent	(951)	GTTCAATCTAGAGCAAAACAATAATGTACAGCTGCTGGCCCGGTTGGCCCGCT
hProm697_Patent	(868)	-----
hProm505_Patent	(698)	-----
hProm341_Patent	(506)	-----
I31750_Patent	(342)	-----
Consensus	(950)	GTTCAATCTAGAGCAAAACAATAATGTACAGCTGCTGGCCCGGTTGGC-----CT
	(951)	GTTCAATCTAGAGCAAAACAATAATGTACAGCTGCTGGCCCGGTTGGCCCGCT

AF047386	(1001)	1001	1050
hProm867_Patent	(868)	CCCCGGGACCTGCGGGCGGGGTGCGCTGCGCCAGCCCCCGGAA	CCCCCGCCCTGGA
hProm697_Patent	(698)	-----	-----
hProm505_Patent	(506)	-----	-----
hProm341_Patent	(342)	-----	-----
I31750_Patent	(998)	CCCCGGGACCTGCGGGCGGGGTGCGCTGCGCCAGCCCCCGGAA	CCCCCGCCCTGGA
Consensus	(1001)	CCCCGGGACCTGCGGGCGGGGTGCGCTGCGCCAGCCCCCGGAA	CCCCCGCCCTGGA
AF047386	(1051)	1051	1100
hProm867_Patent	(868)	GGCCCGGGTCGGCCCCGGGGCTTCTCCGGAGGCACTACTGCCACCCGCGAA	-----
hProm697_Patent	(698)	-----	-----
hProm505_Patent	(506)	-----	-----
hProm341_Patent	(342)	-----	-----
I31750_Patent	(1048)	G-CCGCGGGTCGGCCCCGGGGCTTCTCCGGAGGCACTACTGCCACCCGCGAA	-----
Consensus	(1051)	GGCCCGGGTCGGCCCCGGGGCTTCTCCGGAGGCACTACTGCCACCCGCGAA	-----
AF047386	(1101)	1101	1150
hProm867_Patent	(868)	GAGTTGG-CTCTGTACGCCCGGGTCTCTCGGGGCGAGGGCGAGGTTCA	-----
hProm697_Patent	(698)	-----	-----
hProm505_Patent	(506)	-----	-----
hProm341_Patent	(342)	-----	-----
I31750_Patent	(1097)	GAGTTGGCTCTGTACGCCCGGGTCTCTCGGGGCGAGGGCGAGGTTCA	-----
Consensus	(1101)	GAGTTGGCTCTGTACGCCCGGGTCTCTCGGGGCGAGGGCGAGGTTCA	-----
AF047386	(1150)	1151	1200
hProm867_Patent	(868)	GGCCCTTTCAGGGCCGCAAGGAAGAGGAACGGAGCCGAGTCCCCCGGCGCGCGCG	-----
hProm697_Patent	(698)	-----	-----
hProm505_Patent	(506)	-----	-----
hProm341_Patent	(342)	-----	-----
I31750_Patent	(1147)	C-CCGTTTCAGGGCCGCAAGGAAGAGGAACGGAGCCGAGTCCCCCGGCGCGCG	-----GCG
Consensus	(1151)	GGCCCTTTCAGGGCCGCAAGGAAGAGGAACGGAGCCGAGTCCCCCGGCGCGCG	-----GCG

AF047386 hProm867_Patent hProm697_Patent hProm505_Patent hProm341_Patent I31750_Patent Consensus	(1200)	1201	CGATTCCCTGAGGCTGTGGGACGTGCAACCCAGGACTCGGGCTCACACATGCA	1250
	(868)		-----	
	(698)		-----	
	(506)		-----	
	(342)		-----	
	(1194)		CGATTCCCTGAGGCTGTGGGACGTGCAACCCAGGACTCGGGCTCACACATGCA	
	(1201)		CGATTCCCTGAGGCTGTGGGACGTGCAACCCAGGACTCGGGCTCACACATGCA	
AF047386 hProm867_Patent hProm697_Patent hProm505_Patent hProm341_Patent I31750_Patent Consensus	(1250)	1251	GTTCGGCTTTCCTGTGGTGGGGGGGAAAGCCCGATCGTGGGCATCCGGTCACCG	1300
	(868)		-----	
	(698)		-----	
	(506)		-----	
	(342)		-----	
	(1244)		GTTCGGCTTTCCTGTGGTGGGGGGGAAAGCCCGATCGTGGGCATCCGGTCACCG	
	(1251)		GTTCGGCTTTCCTGTGGTGGGGGGGAAAGCCCGATCGTGGGCATCCGGTCACCG	
AF047386 hProm867_Patent hProm697_Patent hProm505_Patent hProm341_Patent I31750_Patent Consensus	(1300)	1301	CCTCGCCGGGCAGTGGGGGGCTTGTGAACCCCAAACTGACTGACTGGGGCC	1350
	(868)		-----	
	(698)		-----	
	(506)		-----	
	(342)		-----	
	(1294)		CCTCGCCGGGCAGTGGGGGGCTTGTGAACCCCAAACTGACTGACTGGGGCC	
	(1301)		CCTCGCCGGGCAGTGGGGGGCTTGTGAACCCCAAACTGACTGACTGGGGCC	
AF047386 hProm867_Patent hProm697_Patent hProm505_Patent hProm341_Patent I31750_Patent Consensus	(1350)	1351	AGTGTGCTGCAAAATTGGGAGGAGACGGTGAAGGCACTCCCAAAGTTCGGGCCA	1400
	(868)		-----	
	(698)		-----	
	(506)		-----	
	(342)		-----	
	(1344)		AGTGTGCTGCAAAATTGGGAGGAGACGGTGAAGGCACTCCCAAAGTTCGGGCCA	
	(1351)		AGTGTGCTGCAAAATTGGGAGGAGACGGTGAAGGCACTCCCAAAGTTCGGGCCA	

AF047386	1401	(1400)	AAATGAATGEGGCAGTGAGCCCGGGGTTCCTGGAGCCCGTTCCTCGCGTGGGT	1450
hProm867_Patent		(868)	-----	
hProm697_Patent		(698)	-----	
hProm505_Patent		(506)	-----	
hProm341_Patent		(342)	-----	
I31750_Patent		(1394)	AAATGAATGEGGCAGTGAGCCCGGGGTTCCTGGAGCCCGTTCCTCGCGTGGGT	
Consensus		(1401)	AAATGAATGGGCAGTGAGCCGGGGTTCCTGGAGCCCGTTCCTGCGTGGGT	
AF047386	1451	(1450)	TTCTCCCGTCTTCCGCTTTTGTGGCTTTTATGGTTGTATTACAACCTTAG	1500
hProm867_Patent		(868)	-----	
hProm697_Patent		(698)	-----	
hProm505_Patent		(506)	-----	
hProm341_Patent		(342)	-----	
I31750_Patent		(1444)	TTCTCCCGTCTTCCGCTTTTGTGGCTTTTATGGTTGTATTACAACCTTAG	
Consensus		(1451)	TTCTCCCGTCTTCCGCTTTTGTGGCTTTTATGGTTGTATTACAACCTTAG	
AF047386	1501	(1500)	TTCTCTGCTCTGCAGATTGTGTGAGGTTTTCCTTCTCCCAAGGTAGATC	1550
hProm867_Patent		(868)	-----	
hProm697_Patent		(698)	-----	
hProm505_Patent		(506)	-----	
hProm341_Patent		(342)	-----	
I31750_Patent		(1494)	TTCTCTGCTCTGCAGATTGTGTGAGGTTTTCCTTCTCCCAAGGTAGATC	
Consensus		(1501)	TTCTCTGCTCTGCAGATTGTGTGAGGTTTTCCTTCTCCCAAGGTAGATC	
AF047386	1551	(1550)	TCGACCAAGTCCCCCTCAACGGGGGTGTGGGAGAACAGTCAATTTTTTTGGAG	1600
hProm867_Patent		(868)	-----	
hProm697_Patent		(698)	-----	
hProm505_Patent		(506)	-----	
hProm341_Patent		(342)	-----	
I31750_Patent		(1544)	TCGACCAAGTCCCCCTCAACGGGGGTGTGGGAGAACAGTCAATTTTTTTGGAG	
Consensus		(1551)	TCGACCAAGTCCCCCTCAACGGGGGTGTGGGAGAACAGTCAATTTTTTTGGAG	

AF047386	(1601)	1601	1650
hProm867_Patent	(1600)	AGATCATTTAAACATTTAAATGAATATTTAAATTAGAAGATCTAAATGAACAT	
hProm697_Patent	(868)	-----	
hProm505_Patent	(698)	-----	
hProm341_Patent	(506)	-----	
I31750_Patent	(342)	-----	
Consensus	(1594)	AGATCATTTAAACATTTAAATGAATATTTAAATTAGAAGATCTAAATGAACAT	
	(1601)	AGATCATTTAAACATTTAAATGAATATTTAAATTAGAAGATCTAAATGAACAT	
AF047386	(1651)	1651	1700
hProm867_Patent	(1650)	TGGAAATTTGTGTTCCTTTAAATGGTCATCGGTTTATGCCAGAGGTTAGAAG	
hProm697_Patent	(868)	-----	
hProm505_Patent	(698)	-----	
hProm341_Patent	(506)	-----	
I31750_Patent	(342)	-----	
Consensus	(1644)	TGGAAATTTGTGTTCCTTTAAATGGTCATCGGTTTATGCCAGAGGTTAGAAG	
	(1651)	TGGAAATTTGTGTTCCTTTAAATGGTCATCGGTTTATGCCAGAGGTTAGAAG	
AF047386	(1701)	1701	1750
hProm867_Patent	(1700)	TTTCTTTTTTGAAAAAATTAGACCTTGGCGATGACCTTGAGCGAGTAGGATA	
hProm697_Patent	(868)	-----	
hProm505_Patent	(698)	-----	
hProm341_Patent	(506)	-----	
I31750_Patent	(342)	-----	
Consensus	(1694)	TTTCTTTTTTGAAAAAATTAGACCTTGGCGATGACCTTGAGCGAGTAGGATA	
	(1701)	TTTCTTTTTTGAAAAAATTAGACCTTGGCGATGACCTTGAGCGAGTAGGATA	
AF047386	(1751)	1751	1766
hProm867_Patent	(1750)	TAACCCCCACAAAGCTT	
hProm697_Patent	(868)	-----	
hProm505_Patent	(698)	-----	
hProm341_Patent	(506)	-----	
I31750_Patent	(342)	-----	
Consensus	(1744)	TAACCCCCACAAAGCTT	
	(1751)	TAACCCCCACAAAGCTT	

Comparison of our genomic sequence, AF047386 with Geron Patent sequence I31750

AF047386	1	50
I31750_Patent	(1)	AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGAGGCAGA
Consensus	(1)	AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGAG-CAGA
	(1)	AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGAG CAGA
	51	100
AF047386	(51)	GGTTGCAGTGAGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGA
I31750_Patent	(50)	GGTTGCAGTGAGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGA
Consensus	(51)	GGTTGCAGTGAGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGA
	101	150
AF047386	(101)	AAGAGCAAGACTCCGTCTCAAAAAAATAATCGTTACAATTTATGGTGA
I31750_Patent	(100)	AAGAGCAAGACTCCGTCTCAAAAAAATAATCGTTACAATTTATGGTGA
Consensus	(101)	AAGAGCAAGACTCCGTCTCAAAAAAATAATCGTTACAATTTATGGTGA
	151	200
AF047386	(151)	TTACTCCCTCTTTTACCTCATCAAGACACAGCACTACTTTAAAGCAAA
I31750_Patent	(150)	TTACTCCCTCTTTTACCTCATCAAGACACAGCACTACTTTAAAGCAAA
Consensus	(151)	TTACTCCCTCTTTTACCTCATCAAGACACAGCACTACTTTAAAGCAAA
	201	250
AF047386	(201)	GTCAAATGATTGAACGCCCTTCTTTCCCTAATAAAGGGAGATTCACTCCT
I31750_Patent	(200)	GTCAAATGATTGAACGCCCTTCTTTCCCTAATAAAGGGAGATTCACTCCT
Consensus	(201)	GTCAAATGATTGAACGCCCTTCTTTCCCTAATAAAGGGAGATTCACTCCT
	251	300
AF047386	(251)	TAAAGATTAAATAATGTAGTAGTTACACTTGATTAAAGCCATCCTCTGCTCA
I31750_Patent	(250)	TAAAGATTAAATAATGTAGTAGTTACACTTGATTAAAGCCATCCTCTGCTCA
Consensus	(251)	TAAAGATTAAATAATGTAGTAGTTACACTTGATTAAAGCCATCCTCTGCTCA
	301	350
AF047386	(301)	AGGAGAAAGCTGGAGAAGGCATTCTAAGGAAAAAGGGGCAGGGTTGAAACT
I31750_Patent	(300)	AGGAGAGGCTGGAGAAGGCATTCTAAGGAGAAGGGGGCAGGGTAGGAACT
Consensus	(301)	AGGAGA GCTGGAGAAGGCATTCTAAGGA AA GGGGCAGGGT GAAACT
	351	400
AF047386	(351)	CGGACGCATCCCACTGAGCCGAGACAAGATTCTGCTGTAGTCAGTCTGC
I31750_Patent	(350)	CGGACGCATCCCACTGAGCCGAGACAAGATTCTGCTGTAGTCAGTCTGC
Consensus	(351)	CGGACGCATCCCACTGAGCCGAGACAAGATTCTGCTGTAGTCAGTCTGC
	401	450
AF047386	(401)	CTGGGAATCTATTTTACAAAAAGTTCTCCAAAAAATGTGATGATCAAAAAC
I31750_Patent	(400)	CTGGGAATCTATTTTACAAAAAGTTCTCCAAAAAATGTGATGATCAAAAAC
Consensus	(401)	CTGGGAATCTATTTTACAAAAAGTTCTCCAAAAAATGTGATGATCAAAAAC

AF047386	451	AGGAATTAGTGTCTGTGTCTTAGGCCCTAAATCTTCCTGTGAATCCA	500
I31750_Patent	(451)	AGGAATTAGTGTCTGTGTCTTAGGCCCTAAATCTTCCTGTGAATCCA	
Consensus	(451)	AGGAATTAGTGTCTGTGTCTTAGGCCCTAAATCTTCCTGTGAATCCA	
AF047386	501	TTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGAGGATAGAAAA	550
I31750_Patent	(501)	TTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGAGGATAGAAAA	
Consensus	(501)	TTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGAGGATAGAAAA	
AF047386	551	AAGGCCCTCTGATACCTCAAGTTAGTTTACACCTTTAAAGAAGGTCGGAAG	600
I31750_Patent	(551)	AAGGCCCTCTGATACCTCAAGTTAGTTTACACCTTTAAAGAAGGTCGGAAG	
Consensus	(551)	AAGGCCCTCTGATACCTCAAGTTAGTTTACACCTTTAAAGAAGGTCGGAAG	
AF047386	601	TAAAGACGCAAAAGCCTTTCCGGACGTGCGGAAGGGCAACGTCCTTCCTC	650
I31750_Patent	(601)	TAAAGACGCAAAAGCCTTTCCGGACGTGCGGAAGGGCAACGTCCTTCCTC	
Consensus	(601)	TAAAGACGCAAAAGCCTTTCCGGACGTGCGGAAGGGCAACGTCCTTCCTC	
AF047386	651	ATGGCCGGAAATGGAACCTTAATTTCCCGTTCCCGCCCAACAGCCCGCCC	700
I31750_Patent	(651)	ATGGCCGGAAATGGAACCTTAATTTCCCGTTCCCGCCCAACAGCCCGCCC	
Consensus	(651)	ATGGCCGGAAATGGAACCTTAATTTCCCGTTCCCGCCCAACAGCCCGCCC	
AF047386	701	GAGAGAGTGACTCTCAGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTG	750
I31750_Patent	(701)	GAGAGAGTGACTCTCAGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTG	
Consensus	(701)	GAGAGAGTGACTCTCAGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTG	
AF047386	751	CGGTCGGCGCGCGCTCCCTTTATAAGCCGACTCGCCCGGCGAGCGCACCGG	800
I31750_Patent	(751)	CGGTCGGCGCGCGCTCCCTTTATAAGCCGACTCGCCCGGCGAGCGCACCGG	
Consensus	(751)	CGGTCGGCGCGCGCTCCCTTTATAAGCCGACTCGCCCGGCGAGCGCACCGG	
AF047386	801	GTTGGGAGGGTGGGCCCTGGGAGGGGTGGTGGCCATTTTTGTCTAACCC	850
I31750_Patent	(801)	GTTGGGAGGGTGGGCCCTGGGAGGGGTGGTGGCCATTTTTGTCTAACCC	
Consensus	(801)	GTTGGGAGGGTGGGCCCTGGGAGGGGTGGTGGCCATTTTTGTCTAACCC	
AF047386	851	TAACTGAGAAAGGCGTAGGCGCGGTCTTTGCTCCCGCGCGCTGTTTT	900
I31750_Patent	(851)	TAACTGAGAAAGGCGTAGGCGCGGTCTTTGCTCCCGCGCGCTGTTTT	
Consensus	(851)	TAACTGAGAAAGGCGTAGGCGCGGTCTTTGCTCCCGCGCGCTGTTTT	
AF047386	901	TCTCGCTGACTTTCAGCGGGCGGAAAAAGCCTCGGCCTGCCGCTTCCACC	950

I31750_Patent	(900)	TCTCGCTGACTTTT	951	TCTCGCTGACTTTT	1000
Consensus	(901)	TCTCGCTGACTTTT		TCTCGCTGACTTTT	
AF047386	(951)	GTTTCATTCTAGAGCA		GTTTCATTCTAGAGCA	
I31750_Patent	(950)	GTTTCATTCTAGAGCA		GTTTCATTCTAGAGCA	
Consensus	(951)	GTTTCATTCTAGAGCA		GTTTCATTCTAGAGCA	
AF047386	(1001)	CCCGGGGACCTGCGG		CCCGGGGACCTGCGG	
I31750_Patent	(998)	CCCGGGGACCTGCGG		CCCGGGGACCTGCGG	
Consensus	(1001)	CCCGGGGACCTGCGG		CCCGGGGACCTGCGG	
AF047386	(1051)	GGCCGGGTGCGGCC		GGCCGGGTGCGGCC	
I31750_Patent	(1048)	G-CCGCGGTGCGGCC		G-CCGCGGTGCGGCC	
Consensus	(1051)	G CCGCGGTGCGGCC		G CCGCGGTGCGGCC	
AF047386	(1101)	GAGTTGG-CTCTGT		GAGTTGG-CTCTGT	
I31750_Patent	(1097)	GAGTTGGCTCTGT		GAGTTGGCTCTGT	
Consensus	(1101)	GAGTTGG CTCTGT		GAGTTGG CTCTGT	
AF047386	(1150)	GGCCTTTTCAGGCC		GGCCTTTTCAGGCC	
I31750_Patent	(1147)	C-CGTTTCAGGCC		C-CGTTTCAGGCC	
Consensus	(1151)	C TTTTCAGGCC		C TTTTCAGGCC	
AF047386	(1200)	CGATTCCCTGAGCT		CGATTCCCTGAGCT	
I31750_Patent	(1194)	CGATTCCCTGAGCT		CGATTCCCTGAGCT	
Consensus	(1201)	CGATTCCCTGAGCT		CGATTCCCTGAGCT	
AF047386	(1250)	GTTTCGCTTTCCCT		GTTTCGCTTTCCCT	
I31750_Patent	(1244)	GTTTCGCTTTCCCT		GTTTCGCTTTCCCT	
Consensus	(1251)	GTTTCGCTTTCCCT		GTTTCGCTTTCCCT	
AF047386	(1300)	CCTCGCCGGCAGT		CCTCGCCGGCAGT	
I31750_Patent	(1294)	CCTCGCCGGCAGT		CCTCGCCGGCAGT	
Consensus	(1301)	CCTCGCCGGCAGT		CCTCGCCGGCAGT	
AF047386	(1350)	AGTGTGCTGCAAA		AGTGTGCTGCAAA	
I31750_Patent	(1344)	AGTGTGCTGCAAA		AGTGTGCTGCAAA	
Consensus	(1351)	AGTGTGCTGCAAA		AGTGTGCTGCAAA	

AF047386	(1400)	1401	1450
I31750_Patent	(1394)	AAATGAATGGGCAGTGAGCCGGGGTGCCTGGAGCCGTTCC	TGCGTGGGT
Consensus	(1401)	AAATGAATGGGCAGTGAGCCGGGGTGCCTGGAGCCGTTCC	TGCGTGGGT
AF047386	(1450)	1451	1500
I31750_Patent	(1444)	TCTCCCGTCTTCCGCTTTTGTGCTTTTATGGTTGTATTACAACTTAG	
Consensus	(1451)	TCTCCCGTCTTCCGCTTTTGTGCTTTTATGGTTGTATTACAACTTAG	
AF047386	(1500)	1501	1550
I31750_Patent	(1494)	TTCTGTCTCTGCAGATTTTGTGAGGTTTTTGTCTCTCCCAAGGTAGATC	
Consensus	(1501)	TTCTGTCTCTGCAGATTTTGTGAGGTTTTTGTCTCTCCCAAGGTAGATC	
AF047386	(1550)	1551	1600
I31750_Patent	(1544)	TCGACCAGTCCC-TCAACGGGGTGTGGGAGAACAGTCATTTTTTTTGA	
Consensus	(1551)	TCGACCAGTCCC TCAACGGGGTGTGGG AGAACAGTCATTTTTTTTGA	
AF047386	(1599)	1601	1650
I31750_Patent	(1593)	GAGATCATTTAACATTTAATGAATATTTAATTAGAAGATCTAAATGAACA	
Consensus	(1601)	GAGATCATTTAACATTTAATGAATATTTAATTAGAAGATCTAAATGAACA	
AF047386	(1649)	1651	1700
I31750_Patent	(1643)	TTGGAAATGTGTTCCTTTAATGGTCATCGGTTTATGCCAGAGGTTAGAA	
Consensus	(1651)	TTGGAAATGTGTTCCTTTAATGGTCATCGGTTTATGCCAGAGGTTAGAA	
AF047386	(1699)	1701	1750
I31750_Patent	(1693)	GTTTCTTTTGTGAAAAATTAGACCTTGGCGATGACCTTGAGCAGTAGGAT	
Consensus	(1701)	GTTTCTTTTGTGAAAAATTAGACCTTGGCGATGACCTTGAGCAGTAGGAT	
AF047386	(1749)	1751	1767
I31750_Patent	(1743)	ATAACCCCCACAAAGCTT	
Consensus	(1751)	ATAACCCCCACAAAGCTT	